Name: ATHUL VINAYAKUMAR

Roll No: 5

Batch: MCA B

Date:6-4-2022

ADVANCED DATABASE MANAGEMENT SYSTEM LAB

Experiment No.: 6

<u>Aim</u>

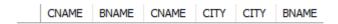
To familiarize with JOIN and CARTERSIAN PRODUCT

Question

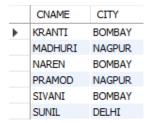
- 1. Give name of customers having living city BOMBAY and branch city NAGPUR
- 2. Give names of customers having the same living city as their branch city
- 3. Give names of customers who are borrowers as well as depositors and having city NAGPUR.
- 4. Give names of borrowers having deposit amount greater than 1000 and loan amount greater than 2000.
- 5. Give names of depositors having the same branch as the branch of Sunil
- 6. Give names of borrowers having loan amount greater than the loan amount of Pramod
- 7. Give the name of the customer living in the city where branch of depositor Sunil is located.
- 8. Give branch city and living city of Pramod
- 9. Give branch city of Sunil and branch city of Anil
- 10. Give the living city of Anil and the living city of Sunil

PROCEDURE AND OUTPUT

1. SELECT D1.CNAME,D1.BNAME,C1.CNAME,C1.CITY,B1.CITY,B1.BNAME FROM DEPOSIT D1,CUSTOMER C1,BRANCH B1 WHERE C1.CITY = 'BOMBAY' AND B1.CITY = 'NAGPUR' AND D1.CNAME = C1.CNAME AND D1.BNAME = B1.BNAME;



2. SELECT distinct(customer.CNAME), BRANCH.CITY FROM BRANCH, customer WHERE BRANCH.city = customer.city;



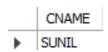
3. SELECT C1.CNAME FROM CUSTOMER C1, DEPOSIT D1, BORROW B1 WHERE C1.CITY='NAGPUR' AND C1.CNAME=D1.CNAME AND D1.CNAME = B1.CNAME;



4. SELECT BR1.CNAME, BR1.AMOUNT, D1.CNAME, D1.AMOUNT FROM BORROW BR1,DEPOSIT D1 WHERE D1.CNAME = BR1.CNAME AND D1.AMOUNT > 1000 AND BR1.AMOUNT > 2000;

	CNAME	AMOUNT	CNAME	AMOUNT
•	MEHUL	5000	MEHUL	3500
	PRAMOD	8000	PRAMOD	3000
	KRANTI	3000	KRANTI	5000

5. SELECT D1.CNAME FROM DEPOSIT D1 WHERE D1.BNAME IN (SELECT D2.BNAME FROM DEPOSIT D2 WHERE D2.CNAME = 'SUNIL');



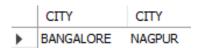
6. SELECT BR1.CNAME,BR1.AMOUNT FROM BORROW BR1 WHERE BR1.AMOUNT > ALL (SELECT BR2.AMOUNT FROM BORROW BR2 WHERE BR2.CNAME = 'PRAMOD');



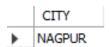
7. SELECT C.CNAME FROM CUSTOMER C WHERE C.CITY IN (SELECT B.CITY FROM BRANCH B WHERE B.BNAME IN (SELECT D.BNAME FROM DEPOSIT D WHERE D.CNAME='SUNIL'));



8. SELECT B1.CITY, C1.CITY FROM BRANCH B1,CUSTOMER C1, DEPOSIT D1
WHERE C1.CNAME = 'PRAMOD' AND C1.CNAME = D1.CNAME AND D1.BNAME = B1.BNAME;



9. SELECT B1.CITY FROM DEPOSIT D1, BRANCH B1 WHERE D1.BNAME = B1.BNAME AND D1.CNAME IN ('SUNIL','ANIL');



 $10.\,\mathsf{SELECT}\,\,\mathsf{C1.CNAME}\,,\,\mathsf{C1.CITY}\,\,\mathsf{FROM}\,\,\mathsf{CUSTOMER}\,\,\mathsf{C1}\,\,\mathsf{WHERE}\,\,\mathsf{C1.CNAME}\,\,\mathsf{='ANIL'}\,\,\mathsf{OR}\,\,\mathsf{C1.CNAME}\,\,\mathsf{=}\,\,\mathsf{'SUNIL'};$

